

ABSTRACT

A rotary developing apparatus having a plurality of developing devices mounted along the outer periphery of a cylindrical rotary unit 2 includes a first gear train 81, 6 and 21 for connecting the rotary unit to a drive source 8 to rotate the rotary unit 2, a second gear train 81, 7, 5 and 4 for connecting a developing roller 3 of a developing device revolved and stopped at a developing position, as a result of the rotary unit 2 being rotationally driven, to the drive source 8 to rotate the developing roller 3, and a drive switching means 9 for switching between the first gear train and the second gear train to connect either of them to the drive source 8. The rotary unit 2 and the developing roller 3 are rotated with the same motor used as the drive source 8 by switching between the connections of the gear trains, thereby rapidly damping vibration generated by the rotation of the rotary unit and vibration generated by the rotation of the developing roller, and thus eliminating image defects due to displacement, etc.